



## **MONTHLY OPERATIONS REPORT**

June 2014

Town of Discovery Bay, CA

**1766** Days of Safe Operations

**77,848** worked hours since last recordable incident

### **TRAINING:**

**Safety, Operations, & Equipment**

<b>Safety</b>	<b>Hours</b>
Monthly Training consists of: Take 5 Safety Tailgates (12) West Region Safety Council Call Monthly Regional Safety Webinar Seat Belts Working w/Stress	3.0
<b>Operations</b>	
None	

### **REPORTS SUBMITTED TO REGULATORY AGENCIES**

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, California Department of Public Health (CDPH)
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### **WATER SERVICES**

<b># of Active Wells</b>	<b>Water Produced (MG)</b>	<b>Chemical (Hypo) Delivered</b>	<b>Fire Hydrant Flushing</b>
5	135.2	7050	0

***Note: Well 4 in lead and Well 5 in lag to offset specific conductivity***

### 2014 Water Production Table (MG) by Month

January	February	March	April	May	June
69.3	61.1	68.3	92.98	128.2	135.2
July	August	September	October	November	December

### Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
16	0	0	0

## WASTEWATER SERVICE

### Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>May Lab Data</i>	<i>June Lab Data</i>
Flow, MG Effluent, <b>monthly total</b>		41.2	40.2
Flow, MG Daily Influent Flow, <b>avg.</b>	<b>N/A</b>	1.26	1.23
Flow, MG Daily Discharge Flow, <b>avg.</b>	<b>2.1</b>	1.33	1.34
Effluent BOD <sub>5</sub> , lbs/d, <b>monthly avg.</b>	<b>350</b>	26.0	20.1
Effluent TSS, lbs/d, <b>monthly avg.</b>	<b>525</b>	37.0	29.9
Effluent BOD <sub>5</sub> , mg/L, <b>monthly avg.</b>	<b>20</b>	2.0	1.8
Effluent TSS, mg/L, <b>monthly avg.</b>	<b>30</b>	3.2	2.6
Total Coli form 7 day Median Max	<b>23</b>	4	3
Total Coli form Daily Maximum	<b>240</b>	23	17
% Removal BOD <sub>5</sub> , monthly avg.	<b>85% min.</b>	99	99
% Removal, TSS, monthly avg.	<b>85% min.</b>	98	98
Electrical Conductivity, umhos/cm <b>annual avg.</b>	<b>2100</b>	2158(YTD)	2154 (YTD)

Red – new parameter added

### National Pollution Discharge Elimination System (NPDES)

<u>NPDES Related Excursions</u>	<u>Permit Parameter</u>	<u>NPDES Parameter Limit</u>	<u>Actual Parameter Result</u>
<u>1</u>	<u>SSO</u>	<u>0</u>	<u>50gal treated water</u>

**Bacteriological Test Results:**

<b><u>Routine Bacteria Samples Collected</u></b>	<b><u>No. Total Coliform Positives</u></b>	<b><u>No. Fecal/E. coli Positives</u></b>	<b><u>7-Day Median Excursion</u></b>
<b><u>8</u></b>	<b><u>0</u></b>	<b><u>0</u></b>	<b><u>0</u></b>

<b><u># of Active Lift Stations</u></b>	<b><u># of Inactive Lift Stations</u></b>	<b><u>Chemical Usage Polymer-gals</u></b>	<b><u>SSO</u></b>	<b><u>Wastewater Received (MG)</u></b>
15	0	121.3	1	37.9

**COLLECTION:**

- Flushed 0 ft. of sanitary sewer lines, YTD 0 ft. **0%** completed
- CCTV 0 ft. **0%** completed (Deadline is May 2015)
- Inspected 0 manhole & covers. 0 YTD
- Performed valve exercising
- Performed weekly lift station inspections.
- Rehab upgrade to L/S “F” started.

**MAINTENANCE:**

**Wastewater**

- Rebuild RAS Pump #3 plant #2
- Preformed quarterly air compressor inspection
- Resealed UV channel
- Programed effluent sampler to flow pace
- Installed decant pump
- Preformed routine check on UV module
- Troubleshoot A/C in MCC room plant #2
- Order part to repair belt press #1
- Check VFD over temp issue.

### Water

- Installed temp quill at Newport WP
- Troubleshoot Well #5 auto shut down
- Replaced dead battery in UPC unit.
- Troubleshoot programming issues at Newport WP
- Troubleshoot high pressure on hypo line
- Regulated pressure settings at both water plants

#### **Preventive and Corrective**

Total # of WO's Completed	Total Hours
265	92.1

#### **Work Order Back-Log**

Aging 8 - 30 Days	Aging > 30 Days
40	11

#### **Call & Emergency Responses**

Call Outs	Emergencies
19	0

#### **Personnel Hours & Overtime:**

Regular Hours	Overtime
1389	91.75

### TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT